Philips
CRT monitor

17"
real flat SXGA

107B70

high performance Real-flat digitalized CRT

with lead-free design

With a Digital Deflection CPU, one-touch brightness enhancement, 1280 x 1024 resolution, high brightness Real Flat CRT tube, ideal size and lead-free design, the 107B7 adds vibrancy and excitement to the Internet and multimedia experiences.

Outstanding front of screen performance

- SXGA 1280 x 1024 resolution for sharper display
- Philips breakthrough advanced Digital Deflection CPU
- High Bright Hot Key instantly adjusts brightness levels
- Real flat CRT for natural, distortion and glare-free display
- Easy-on-the-eyes high-bright, high-contrast tube
- sRGB ensures color matching between display and printouts

Great convenience

- Compatibility with PC and Mac platforms
- Easy, user friendly plug-and-play installation

Green design

- Lead-free design safeguards our environment
- Lower power consumption than the industry average
- TCO'03 guarantees the highest safety and ergonomic standards
- For your safety: Aerospace composite fire retardant case

PHILIPS
sense and simplicity

CRT monitor
17" real flat SXGA

107B70/00

Specifications

Picture/Display
- Display screen type: Real Flat picture tube
- Panel Size: 17"/ 41 cm
- Phosphor: P22
- Recommended display area(mm): 306 x 230 mm
- Recommended Display Area(inch): 12" x 9"
- Dot pitch: 0.25 mm
- Dot Pitch (horizontal): 0.21 mm
- White Chromaticity, 5500K: x = 0.332 / y = 0.347
- White Chromaticity, 6500K: x = 0.313 / y = 0.329
- White Chromaticity, 9300K: x = 0.283 / y = 0.297
- Maximum Resolution: 1600 x 1200 @ 65 Hz
- Optimum Resolution: 1280 x 1024 @ 75 Hz
- Factory Preset Modes: 8 modes
- Factory Preset Mode: 640 x 480 @ 60 Hz, 640 x 480 @ 85Hz, 720 x 400 @ 70 Hz, 800 x 600 @ 75 Hz, 800 x 600 @ 85 Hz, 1024 x 768 @ 75 Hz, 1024 x 768 @ 85 Hz, 1280 x 1024 @ 75 Hz
- Factory Preload Modes: 15 modes
- Video Dot Rate: 180 MHz
- Horizontal Scanning Frequency: 30 - 86 kHz
- Vertical Scanning Frequency: 50 - 160 Hz
- Recommended Refresh Rate: 75 Hz
- Screen enhancement: Anti-glare Polarizer, Anti-Reflection, Anti-Static, High Brightness, High Contrast
- Digital deflection
- sRGB
- GTF

Connectivity
- Cables: D-sub Video Cable, Power Cord
- Cable Connection: AC Power in
- Sync input impedance: 2.2k ohm
- Video input impedance: 75 ohm
- Video input signal levels: 0.7 Vpp
- Video Sync Input Signal: Separate Sync
- Video Sync Polarities: Positive and Negative

Convenience
- User convenience: Menu Languages, On-screen Display
- Monitor Controls: Bright Direct Access, Contrast Direct Access, High Bright Hotkey, Menu, Power On/Off
- OSD Languages: English, French, German, Italian, Korean, Portuguese, Russian, Spanish, Turkish
- Plug & Play Compatibility: DDC 2B, Windows 98/ ME/2000/XP
- Regulatory Approvals: BSMI, CCC, CE Mark, C-Tick, DHS, eK, FCC-B, UL, CSA, FDA, GOST, IRAM, MIC, NOM, PSB, SEMKO, TCO '03, TÜV/ GS, TÜV Ergo
- Swivel: +/- 90°
- Tilt: -5° to 13°

Accessories
- Included Accessories: AC Power Cord
- User Manual

Dimensions
- Box dimensions (W x H x D): 446 x 420 x 475 mm
- Box dimensions in inch (W x H x D): 17.6 x 16.5 x 18.7 inch
- Set dimensions (W x H x D): 397 x 428 x 423.5 mm
- Set dimensions in inch (W x H x D): 15.6 x 16.9 x 16.7 inch
- Set weight: 13.5 kg
- Set weight (lb): 29.7 lb
- Weight incl. Packaging: 15.4 kg
- Weight incl. Packaging (lb): 34.0
- Temperature range (operation): 0°C to 40°C
- Temperature range (storage): -25°C to 65°C

Power
- Consumption (On mode): 62 W (Typical)
- Consumption (Off Mode): around 1 W
- Power LED indicator: Off - Flashing Green, Operation - green
- Power supply: Built-in, 100-264 VAC, 50/60 Hz

Product highlights

SXGA, 1280 x 1024 resolution
For graphics monitors, the screen resolution signifies the number of dots (pixels) on the entire screen. For example, a 1280-by-1024 pixel screen is capable of displaying 1280 distinct dots on each of 1024 lines, or about 1.3 million pixels.

Digital Deflection CPU
An exclusive Philips innovation -- the world's first one-chip CRT solution -- combines the deflection and the Microcontroller in a single chip to process and control input sync digitally. This innovative technology prevents electronic noise that can harm display quality, reduces display jitter and improves geometry for better front of screen performance.

High Bright Hot Key
A feature that delivers instant brightness adjustment to the ideal level for viewing text, Internet, game or multimedia applications, providing comfortable viewing and an enhanced experience for each type of application.

Real flat CRT display
Philips advanced flat CRT technology reduces glare and reflection more efficiently than a conventional CRT. The special high-bright, high-contrast shadow mask helps maintain sharper focus and eliminates 'color blooming' compared to standard tubes. It displays images on a monitor that look like images on paper: Viewing the image is more comfortable. Straight lines are straight. Finding a reflection-free viewing position is much easier. This adds up to reduced eyestrain for a comfortable viewing experience.

High-bright-high-contrast tube
A CRT tube designed to increase display brightness and contrast by increasing the CRT ray gun's beam current.

sRGB ready
sRGB is an industry standard that ensures the best possible match between the colors displayed on your screen and those in your printouts.

Two-platform compatibility
The ability to work with a variety of platforms; Philips monitors are compatible to connect with PC by employing a VGA connection and connect with Macintosh.

Lead-free
Lead-free display products are designed and produced in compliance with strict European Community Restriction of Hazardous Substances (RoHS) standards that restrict lead and other toxic substances that can harm the environment.

Energy efficiency
Reduction of the electrical power required to operate a device to achieve real savings.

TCO '03 compliance
A TCO (Swedish Confederation of Professional Employees) standard even more stringent than MPR-II for safety and ergonomics, especially concerning alternating electric fields (AEF).

Flame retardant cabinet
PC/ABS plastic composite is the industry's best and toughest flame-retardant casing material; and is a space-age compound deployed in the aerospace and automotive industries as well as in fire detectors that is compliant with most stringent fire safety standards.

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